

ILLUSTRATIONS.	Hammer, drop, Remington Hammer, foot-power, new	Screw pine, the Screen, Gould Scre	Bad water, bad cloth.  360 Baking powder recipe Baking powder scipe Baking powders, injur Bad dar.  466 Bar. claw, new John San Barel head, Morsa's.  50 Basket willow, growin Battery, Chaperon ast Battery, Chaperon ast Battery, Edward, dry  522 Battery, galvanic, dry Battery, galvanic, dry Battery, galvanic, dry Battery, galvanic, dry Battery, sodium, new Beer control  300 Beer sugar industry Beetles, how to handle.  301 Beet sugar industry Beetles, how to handle.  302 Bett, seatter, scattery Bett, seatter, scattery Bett, seatter, scattery Better prospects.  304 Billiard cue tip, new B
A std carbonic lin anner son	Hammer, steam.	S58 Ship cleaner, Cooper's	10, 328 Barrel head, Moran's.
Aeronauts, highest points119 Agricultural Works, Penn20	Harrow, McClelland's Hay press, hydraulic, French	131 Stides, micro, enlarging 51 Spinning machine, waste from	276 Basket willow, growin 306 Battery, Chaperon and
Air, dense, ice machine371 Alarm, low water, new115	Herons, boatbill Hives, bee, N. S. Wales Holder for books, new.	70 Spring gearing, new	482 Battery for electric je 104 Battery, galvanic, dry 222 Battery, galvanic, the
Acid, carbonic, liq., appar. 380 Aeronauts, highest points. 119 Agricultural Works, Penn. 29 Air, dense, ice machine. 371 Alarm, low water, new 1115 Arch, whalebone. 369 Atmosphere, exploration of 119 Axie box, car, Carey's. 387	Horse cleaner, Farr's. Horse collar, new.	338 Stand for samples, new 212 Starting cars, apparatus	168 Battery, Leclanche, in Battery, sodium, new.
R	Hose coupling, Walls' Hose reel, Billing's	256 Steam cooker, Maxim's 35 Steam engine, Shipman's	146 Be somebody
Barrel head, Moran's	Hub attaching device	402 Steam hammer	339 Bee farming, N. S. Wai 246 Beef, cost of producin
Hattery, Leclanche, improved?  Hee farming, N. S. Wales	loe blocking apparatus	Stove pipe connection	354 Beer laide vs. beer tea 364 Beer, acidity of
Bell, new form of	ice blocking apparatus Lee box, improved. Lee machine, Allen's. Lee yatching on Hudson. Liliuminating app., micro Lidustries, American. Lirrigating ditich dam. Lastis, or Arctic fox.	210 Stump puller, Blume's	194 Beer, soured by thund Bees, how to handle
Bleaching apparatus, Thomson's 326 Blotter, improved	liluminating app., micro	Sun motor, Ericsson's	Beet sugar industry Beetles, May, to destro
Boat canal, McDonald's	Irrigating ditch dam	Tophnical school Bredford	Bell, a wonderful Bell, new form of Bellows for insect pow
Boiler due cleaner	J	Telegraph, elect., Soemmering's Telephone, Huston's	Belts, leather, clasticity 179 Belts, pulley side
Book, memorandum, Silbeman's243 Bottle trap. new 226	Jack, lifting, improved	Technical school, Brudford, Telegraph, elect., Soemmering's Telephone, Huston's Testing apparatus, electric Theater stage, movable. Tide-wheel, duplex Tiger, instant photog, of Toger, instant photog, of Toger, handle, Sing's Tools andle, Sing's Toogs, pipe, Strait's. Topedoboat, new Toy, novel	374 Better prospects Better to wear out that
Boring and drilling mach	Jade objects  Jeannette, the lost.  Jewelry, electric.  Journal bearing, imp.	71 Tiger, instant photog. of 103 Tip for billiard cues, new	375 Billiard cue tip, new 384 Binding post, electric 306 Bird, dancing
Bridge, Catskill Creek	К	Tool handle, King's	. 290 Bird migration. 72 Birds, humming, tamin
Buckle, Mitchell's	Knife and grinder, Wood's Knife scourer, Bryant's	67 Tool, universal, an old	376 Bitters, Hostetter's, for 242 Biast, a big
Boller füg cleaner 388 Boller, paper . 983 Book, memorandum, Slibeman's. 242 Bottle trap, new 226 Boring and drilling mach 147 Bridge, Brooklyn, terminus. 248 Bridge, Falls of 98, Anthony. 139 Bridge, Catskill Creek. 352 Bridge, Catskill Creek. 352 Bridge, Catskill Creek. 353 Bridge, Catskill Creek. 353 Bridge, Catskill Creek. 353 Buckle, trace, Bauder's. 464 Bucket, elevator, Holmes. 158 Buildings, prominent, N. York. 287 Butter package. 354 Butter worker, pow 570	L	Trace buckle, Bauder's Traction engine, spring wheel	309 Bird, cancing 200 Bird wigration. 72 Birds, humming, tamin 73 Bitters, Hostetter's, for 242 Biast, a big. 466 Biasting, dynamite, und 464 Bleaching process, Tho 101 Bleaching sponges.
Butter worker, new 570	Lathe chuck, Gilmore's	Tran, wire, across Teremakau Trap, animal, Hall's	248 Blindness, color
Cable railway, new	Latch, locking, Nyswanger's Lead pipes, strength of	Torpedo boat, new. Torpedo boat, new. Torpedo boat, new. Trace buckle, Bauder's. Trace buckle, Bauder's. Trace too engine, spring wheel. Tram, wire, across Teremakan. Trap, animal, Hall's. Tries, can, McConnell's. Tries, car, McConnell's. Trues, car, McConnell's. Trues, ugar refiner's. Trues, ugar refiner's. Trues, improved. Tuble iron, cable railway. Turbine, atmospheric.	101 Bleating sponges 22 Blind, the 248 Blindness, color, 341 Blindness, color, sugges 102 Blood cake for cattle 365 Blood transfusion, subs 360 Blotter, improved
Cable railway, new         326           Calender rolls         383           Calender, straw board         384           Canal boat, McDonald's         354	Life preserver, trunk1 Lirting jack, improved	46 Truck, hand, Stremel's	134 Blue gum steam in diph 120 Board of Trade resoluti
Canal, Panama	Lighthouse, Hudson River	Tube iron, cable railway	180 Blotter, improved 180 Blotter, improved 181 Blue gum steem in diph 180 Board of Trade resoluti 180 Boat capal, McDonald's 180 Boat series, Paddlefast Boat, sectional, Stanley Bobbins, modification. 180 Bodies in motion, attrac
Car coupler, Dougherty's. 19 Car coupling, McArthur's. 114	Lock and latch, Freeman's! Lock, Brooke's	60 06	Redies in motion attrac
Car coupling, Thurmond's	Lock, Morris'	Umbrella frame, new	Boiler explosion, Cincir Boiler explosion, possib
Caiender Folia Caiender, straw board Canal boat, McDonald's Canal boat, McDonald's Canal boat, McDonald's Canal, Funna Canal, Funna Carlong Ca	Ladder, folding, Chase's	Valve gear, cut-off, McCarter's	Booles active to the control of the
Car-truck, McConnell's	Locomotive, spring wheel	Valve gear, cut-off, McCarter's. Valve oiler, Merchon's. Velocipede, Schaffer's. Viaduct, Falls St. Anthony. Vise, watchmaker's.	.150 Boilers, American stand .150 Boilers, power of
Casks and barrels, head for	Locomotive works, Saldwin S Log setting apparatus	Vise, watchmaker's	.136 Bone, architecture of
Chair, reclining, Deppen's	Labricator and measure, Peters', 3	W	Book-holder, Wood's Book, memorand., Silbe
Chimpanzee and koolokamba 39 Claw bar, Robertson's 377	Lubricator, Daniell's Lubricator, engine, Horn's Lubricator, guide bar	Wagon body, Folsome's Wagon gear, new Wagon, musical, Miner's Wagon, sail Wagons, side spring for	408 Boraz lake
Cleaning apparat., horse	Magnuma (fish) %	Wagon, sail Wagons, side spring for	Bottle trap, removable.
Comet, Pons-Brooks 184 Cooking steamer 6	Macrurus (fish)	Wagons, side spring for Water colest, new Water coler, Welling's. Water supply, New York Wardrobe, new. Windess, burist, improved. Window shutter, Cechel's. Wire wrapping machine. Wrench, De Silva's. Writing device, Bergman's.	377 Brainwork, healthy 271 Brandy bread
Cooler for milk, new	Melanocetus (fish)	Wardrobe, new Warping machine, new	199 Brandy Bread Company 230 Brass driving boxes
Cow catcher, Phillips'	Motor, hydraulic. new	Wind engine, new	198 Brass pipe, explosion of, 88 Brass, properties of
Crutch, Ludlow's	Movement, mechanical, new 9 Music leaf turner, improved16	Window bead fastener	163 Bread acconding Bread recipe, a
D	N	Wrench, De Sflva's	Bridge, Brooklyn, cost
Dam, Bigelow's 82 Dam, Quaker, New York 271	Nile and the Soudan	Writing device, Bergman's	Bridge cable, Brooklyn Bridge, Catskill Creek
De Long, Capt	0	Yucatan, discoveries in239, 262, 2	Bridge, Falls, of St. Anti Bridge, Forth, new
Diseases, contag., pavilion for 87 (Dog. Thibet 23 (	Offices, Pullman & Co.'s		Bridge, railway, inspecti Bridge receipts, two mon
Door keepers, electric	Dil wells of Baku	MISCELLANY.	Bright's disease
Oraught equalizer, Hower's120 (Orawers, chest of, Adams'388 (Orawers, and carrier French 150)		Figures preceded by a star (*) rei	fer Broadway to the ferries.  Brushes countain attach
Orill, breast, improved290 Orill, electric, for tunneling 31	P	A	Bucket, elevator, Holme Bucket, new, Mitchell's.
Orinking horn, Heron's	Paddle-wheel, Acme	Aasgeier and the telephone Aborigines, dwellings of Academy, French, prizes of Academy of Sciences, Davenp't, Acumulators Acid, carbonic, liquefied Acid, carbonic, liquefied Acid, hydrochio, on starch Acid, carbonic, on starch	874 Bufalini prise, the
E	Paint, manufacture	Academy, French, prizes of Academy of Sciences, Davenp't.	374 Buildings, high, in cities.
Sarthquake recorder, new 63 F	anthers, young	Acid, carbonic, liquefied	9 Buildings to resist earthogen Buoys, colors of, meaning
Sectric diadems	aper, machine to cut	Acid, hydrochio, on starch	25 Burial windless, new 294 Burns, acid. cure for 184 Burns, treatment of
lectric light, Hell Gate175 F lectric phenomena, lliust378 F	arasol frame	Acid, sulphuric, manufacture	Butter, adulteration of
arthquake recorder, new 63 gr case. Rugo's 554 lectric diadems 163 lectric door keepers 554 lectric jewels 77 lectric jewels 77 lectric plenomena, Iliust 775 lectric ounneling 31 lectric testing apparatus 374 lectric tunneling 31 levator, beer 390 levator bucket, Holmes 18 levator, Stockholm 467 lingiae lubricator, Horn s 35 levator, Stockholm 367 lingiae, marine, governor 387 legiae, marine, governor 387	Paddle-wheel, Acme. 111 rail, new Paulus'. 166 rail, manufactare 367 raine, manufactare 367 ranama Canal. 697 ranchers, young 13 raper, device for holding 36 raper, machine to cut. 66 raper making machinery 38 raper, manufacture of 366 rarsool frame. 67 reconsignation of 367 rarsool frame. 75 reconsignation of 367 rarsool frame. 167 reconsignation of 367 retroleum depot, Baku. 344 retreluced method, 156 retroleum depot, Baku. 344 retreluced and 156 retroleum depot, Baku. 344 retreluced and 156 retroleum depot, Baku. 344 retreluced and 367 retroleum of 367 re	Acid, hydrocalo, on starch. Acid, vasic Acid, sulphuric, Acid, sulphuric, Acid, sulphuric, manufacture Acid, sulphuric, tests. Aeronautical legacy. Aeronautical legacy. Aeronautical legacy. After-glow the Age, old, to attain Agricultural works, Penn. Af (flab), catching Aliments, home remedies for Aim, taking Air analysis, apparatus for Air, compressed, delivered, Air, dusty, filum, bodies in	Butter packages, Sinclair Butter, soap-fat, progress
devator bucket, Holmes' 18 F Slevator, Stockholm	etroleum at Baku	Agricultural works, Penn	Butter worker, new Butterine vs. butter Buttons, pearl, manufacts
ngine tubricator, Horn s 35 F. Ingine, marine, governor 387 F. Ingine spring-wheel 191 F. Ingines, freight 389 F.	heasant, diamond	Ailments, home remedies for	Buttons, pile, how made.
ngines, freight 339 F ngines, passenger 389 F ngines, steam, crankpin for 83 F	notography, magnes, light	Air analysis, apparatus for	Cable as it is
xcavstor, Panama Canal	lastering surfaces, metallic	Air, dusty, illum, bodies in	Cable system, beauties of Cable system, in favor of.
F power227	low, phiningnam s	Alaska, letter from	197 Camellia cleifera, seeds of 228 Canal boat, McDonald's
an attachment, Williams' 202 pan pump. 383 peed guide, printing press 344 peed water and regulator, new 115 pence post, Miner's 226 percent and a second sec	low, sulky, Farquhar	Alcohol from bread	17 Canal, Corinth
eed guide, printing press	ost, iron, for fences	Alcohol in glutinous liquids3	154 Cancer, new cure for
ence post, Miner's	rinting press feed guide344 ropeller bone, the	Aligators, to protect	Cannon, large, casting 68 Cannon, manufacture of
litering cisterns	ump, fan	Amber and meerschaum industry. America as a jelly-fish.	87 Car axle friction
ire engine, Remington 162 P	ump, fan	Animals, teaching to talk	Car brake contest
ire escape, Eyl's 90 ire escape, Letton's 348	R	Annealing and case bardening Antidote for bydrophobia	48 Car coupling, McArthur's 55 Car coupling, Stamp's
ire escape, Stevenson's	ag cutting machine	Antiquities, Egyptian	41 Car coupling, Tharmond's 41 Car coupling, victims of 68 Car door locks, improved
re pump, carb. acid	ailway cable, tube for	Ants, Africau	Car benters, acetate of sod
lute, automatic, the	allway signal, electris	Apprentices, why scarce	O Car, safest part
rance under the clouds	cel, hose, Billing's	Arch, whalebone, a	Car starter, Wilson's Car tracers, duties of Car-track cleaner, improve
reight car locks 342 R reexing, curious case of 182 R reexing, curious effect of 100 R ruit drier, Baltet's, 4, 275 R arnace grate, Price's 301 R	ng bender, watchmaker's300 iveting machine, railway8	Army worm again 44 Arsenic, how to use 2	Car-wheels, American
arnace grate, Price's	ag cutting machine	Art study	Care, indicator for
64	8	Artillery and armor plate	Carbonic acid, liquid
ame table, De Foy's	mple stand, Schmidt's	Asphyxia from illum. gas	d Carpet beating
overnor, marine engine	w arbor, Hacket's	Atmosphere, waves of	Case for eggs. Ruge's
auge, scratch, Sherman's 72 Scrate, furnace, Price's 291 Sc	w tooth, Keilen's	Axie, car, friction of	Castings, defective
ame table, Calders	fety switch guard, improved. 131 mple stand, Schmidt's. 169 ab cord fastener. 194 w arbor, Hacket's. 370 w clamps, fastening. 4 w tooth, Kellen's. 380 ence in antquity. 250 tassors, ripping attachment. 222 ourse, kuire, Byyant's. 222 rew jack, new. 222	Airm, taking.  Air analysis, apparatus for Air, compressed, delivered. Air, dense, ice machine.  Air, dusty, illum, bodies in. Air, notes on. Alarm, low water, now.  Alaska, letter from. Alcobol, breaked. Alcobol and digestion. Alcobol breaked. Alcobol in bushel grain. Alcobol in glutinous liquids. Alizarine pakent, the. 3 Alligators, to protect. Allizarine pakent, the. 3 Anligators, to protect. Allizarine pakent, the. 3 Anlimal trap. 4 Animal trap. 5 Aniquities, Eapptinn. 5 Antiquities, Eapptinn. 6 Animals, teaching to thik. 6 A	Casts, enlarging or reducin Catch, door, Roll's 6 Cattle, blood cake far
	THE RESIDENCE AND WALLEST AND ADDRESS OF THE PARTY OF THE		E CONTRACTOR DE

Colo	16 man
	2.52
-	Screw pine, the
on	Sewer pipe trap, improved
485	K   Show box cover. White's
nch 5	Slides, micro, enlarging Spinning machine, waste from
	8 Stand for samples, new
215	6   Stations, circumpolar,
	Steam engine, Shipman's
	Steamer Le Stanley Step ladder, Sommer's
S	Stove pipe connection Street elevator, Stockholm
37	Stump puller, Blume's Sugar refiners, truck for
	Sun motor, Ericsson's
81 184	T
	Technical school, Brudford Telegraph, elect., Soemmering
322	Telephone, Huston's
215	Tide-wheel, duplex
403	
	Tool handle, King's
67	l Tool, universal, an old
	Torpedo boat, new
399	Toy, novel Trace buckle, Bauder's Traction engine, spring wheel. Tram, wire, across Teremakai Trap, animal, Hall's Trap, sewer pipe, improved. Tricycle, aquatic, Terry's Truck, car, McConnell's. Truck, hand, Stremel's
ved63	Trap, animal, Hall's
°s 66	Tricycle, aquatic, Terry's
348	(Panels anger notings)
ie143	Truck, car, McConnell's. Truck, hand, Stremel's. Truck, sugar refiner's. Truss, improved. Tube iron, cable railway.
355	rurome, atmospheric
296	Umbrella frame, new
306	V
342	Valve gear, cut-off, McCarter's
191	
n335	Vise, watchmaker's
d114 d115 eters'.387	Vises, attachment for
96	Wagon body, Folsome's
274	
	Wagon musical, Miner's. Wagon, sail Wagon, side spring for. Water closel, new. Water cooler, Welling's. Water supply. New York Wardrobe, new.
391 387 ters' .387	Water closet, new
391	Water supply, New York Wardrobe, new
18	Warping machine, new
115	
V 98 1166	Window bead fastener Window shutter, Cochel's
	Windlass, single-axle. Window bead fastener Window shutter, Cochel's. Wire wrapping machine. Wrench, De Silva's.
145	Writing device, Bergman's
28u	Yucatan, discoveries in239, 262
	MISCELLANY.
166	
280 323 167	Figures preceded by a star (*) : to illustrated articles.
	A
118	Assgeier and the telephone
118	Asseler and the telephone. Aborigines, dwellings of. Aborigines, dwellings of. Academy of Sciences, Davenp' Accumulators Acid. carbonic, liquefied. Acid. carbonic, liquefied. Acid. carbonic, liquefied. Acid. davinchio, on starch. Acid. sulphuric, Acid. sulphuric, Acid. sulphuric, manufacture. Acid. sulphuric. Acid. sulphuric. Acid. sulphuric. Acid. sulphuric. Acid. sulphuric. Acid. sulphuric.
227	Academy of Sciences, Davenp
34	Acid, carbonic, liquid358,
388	Acid, oxalic
404	Acid, sulphuric, manufacture Acid, sulphuric, tests
n's227	Aeronautical legacy
106	Age, old, to attain
151	Al (fish), catching
96	Aim, taking
810	Air, compressed, delivered Air, dense, ice machine
408	Affab), catching Aliments, home remedies for. Alm, taking. Air analysis, apparatus for. Air, compressed, delivered. Air, dense, ice machine. Air, dusty, illum, bodies in. Air, notes on. Alarm, low water, new.
4	Alaska, letter from
96	Alcohol, bread
188	Alcohol in bushel grain
36 188 226 344 344	Alcoholism, cure of
67 279 363	Alligators, to protect
383	Alcobol and digestion Alcobol, bread Alcobol Prom bread Alcobol in bushel grain Alcobo in glutinous liquids. Alcobo ins, cure of. Alizarine patent, the. Annerica as a jelly-dish. Animal tras
383	Animals, teaching to talk
5	Animal trap. Animals, teaching to converse. Annealing and case bardening. Antidote for hydrophobia. Antimony in dyed yarns. Antiquities, Egyptim. Antiquities, modern, trade in Ants African.
200	Antimony in dyed yarns
ver. 47	Antiquities, modern, trade in

D	CE X	
7.5	DI ME ME	,
	110   Bad water, bad cloth	5
		5
210, 3	50 Basket willow	
4	M6 Battery, Chaperon and Leland	)
i	122 Battery, galvanic, the	1
1	81 Bay rum, recipe (II)	į
2	11   Bec culture	j
4	707 Heer elevator. ************************************	
	84 Bees, how to handle	
	Boot sugar   71   10   Beet sugar industry   71   Beet sugar industry   72   Beetles, May to destroy   38   Bell, a wonderful   8   Bell, new form of   752	į
ng'a 2	Bellows for insect powder	ġ
	Better prospects	į
37 38	Binding post, electric	į
29	Bird migration.	
24	Blasting, dynamite, under water.341	
el19 au 2	Blind, the	i
34	1 Blindness, color, suggestion308 2 Blood cake for cattle	
18 19	Blue gum steam in diphtheria 57	
35 36	Boat canal, McDonald's*354 Boat series, Paddlefast181	
	Boat, sectional, Stanley *246 Bobbins, modification #12 Bodies in motion, attraction 85	
40	Boiler explosion, Cincinnati*152 Boiler explosion, possible cause 18	
r's358	Boiler plates, new process329 Boiler settings and defects377	
156	Bollers, power or	
136	Bone, architecture of 87 Bone bleaching process 290 Book-bolder, Wood's 19	
344	Boracle acid, sources of	
371	Bottle trap, removable	
377	Brandy bread 53	
196	Brass finishing by acids 49	
88	1 Brass, properties of	
51 368	Bread sicobol	
355	Bridge building company321 Bridge cable, Brooklyn147	
62, 294,	Bridge, Catekill Creek	l
62, 294 311, 337	Bridge, Harlem R., new	
•	Bright's disease	
) refer	Bridge, Falls, of St. Anthony 919 Bridge, Forth, new 162 Bridge, Tairlem R., new 622 Bridge receipts, two months 120 Bridge receipts, two months 120 Bridge Roman, ancient 151 Bright's disease. 151 Brigh	
	Bucket, elevator, Holmes'*18 Bucket, new, Mitchell's*25 Buckle, trace, Bauder's404	
374 374 p't.366	Building in winter	
	Buildings new New York 9909	
9 58, *990 25 294	Buoys, colors of, meaning 36 Burial windiass, new	
116	Burns, treatment of	
393	Butter, best, how made	1
247 247 20	Buildings to resist earthquakesiii Buoys, colors of, meaningiii Buoys, colors of, meaningiii Burns, acid, cure for	
100	C	1
*875		j
*115	Cable as it is. 190 Cable system, benatics ef. 167 Cable system, in favor of. 147 Calcium chloride, drying power. 150 Camellia oleifers, seeds of. 24 Camel boat, McDonald's. 556 Canal, Corinth. 328	ļ
197 228 117 16	Canal boat, McDonald's,	]
354 210	Canal, Panama, excavators*399 Cancer, new cure for	į
344	Camellia oleifers, seeds of. 24 Canal boat, McDonald's. 254 Canal, Corinth 329 Canal, Panama. 149, 200, 406 Canal, Panama. 200, 406 Canal, Panama, 200, 406 Canal, Panama, 200, 406 Caner, new cure for. 244 Canned goods. 529 Cannon, large, casting. 305 Cannon, manufacture of 164 Car axie box, Carey's. 287	ĺ

***************************************	6   Cattle stampede, stopping	406
(6)	m   Chuse and enect, curious case	874 853
	Cellars, Frick's	*65 131
*87	4 Cement, Portland, expansion	94
ng 13	5 Cement water pipes	190
d Leland10	l   Center-cycle, the	179
welry'le	Chains, American	256
	Chamber of Commerce, Pittsbr'g.	196
nproved*17	Chamber of Commerce, Pittsbr'g. Chest of drawers, Adams'	384
10	Cheese, cookery or	161
	f   Cheese, rendering digestible	148
ies *7	Chickens, meat for	136
	Chimneys, large	216
	Chinch bug, the	83
er 160		36
TI	Church fires	98
y	Cigar making, seville	97
*206	Cigarette smoking	110
der 96	Cincinnati, health of	110
y of320	Circle, which way do you	04
	City, an industrial	79
n rust392	Civil engineer, Japanese	163
***************************************	Clamps, saw, fastening	*4 70
324	Claw bar, Robertson's	88
Ø		87
rmula (11).139	Clothes horse, Blake's	92
der water.341	Clothing for Arctic explorers2	84
mson'sº336	Clothing, water-proof	87
		26
stion308	Cod liver oil city	24
titute 389	Coincidence, strange	13
*34	Colds and fevers	96 57
theria 57	Colleges, attendance at	12
***************************************	Collodion cotton	56
181	Color blindness angrestion	18
tion 85	Colors, action of light on	18
	Coloring materials, forbidden 3	19 1
ic cause 18	Comet, Pons-Brooks. 16, 96, 112, *13	
***************************************	Comete deles	Œ [ ]
ects329	Comets, false	
dard for 241	Complimentary words	6 1
	Compositions, writing. Compressed air motive power	1 1
290		9 1
*19	Congressmen, blindness of 18 Confiagrations in large cities 23	111
rman s., 423		6 3
	Cooker, steam, Maxim's*14 Cooking steamer	
h*147	Cooler for milk, new	0 1
	Cooler, water, new	
	Cooper, Peter, anecdote 22 Copper, action on human econ. 13 Copper, conductivity. 32	
F 21	Copyright law, amendment of 4	8 1
	Corn, green, for pigs	2   1
		8   B
117	Cost, cheupness of 24	i l
	Cost, cheapness of 26 Cotton, consumption of 28 Cotton goods, bleaching 28 Couch and press rolls 49 Cough remedy, a 30 Cough remedy, a 30	
nus 84	Cough remedy, a 36	
y321		
4965	Court plaster	1 8
	Cow catcher, Phillips' *!!	
hony*159	Control of the second of the s	1 5
hony*189	Cows, the Jersey	i i
hony *150 152 lon 40	Cows, the Jersey. 36 Cramps, cure for. 45 Crankpin, Eddowe's. 98 Crook in milk defense. 98	
hony 159 162 332 10n 40 1ths 120	Cows, the Jersey. 35 Cramps, cure for 48 Crankpin, Eddowe's 88 Cream in milk, determ 38 Cremation. 64, 40	N N N N N N N N N N N N N N N N N N N
hony *189 	Cowe, the Jersey. 35: Cramps, cure for. 43: Cramps, the Jersey. 48: Crampin, Eddowe's 48: Cremation. 56: Criminals, characteristics 31: Cruisers modern, creditable 218:	
hony *189 162 382 160 151 151 181 100 402	Cows, the Jersey.         36           Cramps, cure for.         46           Cramps, cure for.         46           Cramp, Eddowe's.         98           Cream in milk, determ.         38           Cremation.         54           Criminals, characteristics.         31           Cruice, Ludlow's.         23           Crutch, Ludlow's.         23	10 10 10 10 10 10 10 10 10 10 10 10 10 1
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
162 382 100 40 151 151 161 100 402 400	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
100	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
100	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
100	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
100	Cows, the Jersey	H H H H H H H H H H H H H H H H H H H
100	Cown, the Jersey	H H H H H H H H H H H H H H H H H H H
100	Cown, the Jersey	H H H H H H H H H H H H H H H H H H H
100	Cown, the Jersey	・ 発見を見るとなる。 を見るとは、 を見るとなるとなる。 では、 では、 では、 では、 では、 では、 では、 では、
100	Cown, the Jersey	等是是是是是是是是是是不是不是不可以不可以是可以是是是一个,他们是是是一个,他们是是一个,他们们们们们们们们们们们们们们们们们们们们们们们们们们们们们们们们们们们们
100	Cown, the Jersey	・ は 来写りませる。 ままりまりましる。 ままりましる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりまりましる。 ままりましる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりましる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりませる。 ままりまりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりまりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりまりまりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりましる。 ままりまりる。 ままりまりる。 ままりまりる。 ままりまりる。 ままりまりる。 まもりる。 まもりももりる。 まもりる。 まもりももりもももももももももももももももももももももももももももももももも
100	Cown, the Jersey	東京東京東京東京東京東京東京東京東京東京東京東京東京東京東京東京東京東京東京

Cattle stampede, stopping. Cause and effect, curious case Cellars, damp, cure of Cellars, Prick's. Coment for brass or glass. Coment, Portland, expansion. Cement water pipes. Cement water pipes. Center-cycle, the. Chains, American.	465         68gg case, Ruge's         404           181         Eggs by weight, count, etc.         374           190         Eggs by weight, count, etc.         374           190         Egyptian remains         384           308         Electric accomplisators         271
Center-cycle, the Chains, American Chains, American Chains, reclining, Deppen's Chamber of Commerce, Pittsbir'g Chest of drawers, Adams' chewing the cud cheese, cookery of Cheese lard Cheese, rendering digestible Chemical analysis in manufac Chickens, meat for Chimers, large cheese large	256   Electric gas lighter   9     156   Electric girls   512     157   Electric jewels   771     1584   Electric light on war ships   56     158   Electric light on war ships   56     158   Electric light and gas   590     158   Electric light and g
hinch bug, the	88 Electric lighting by batteries 99 23 Electric lighting in Europe 36 23 Electric lighting, New York 56 25 Electric ounge 136 26 Electric microscope 130
hrysanthemuns, stimulants for hurch fires.  [gar making, Seville.]  [gars, telephone]  [garste amoking]  [neinnati Convention 198, 300, incinnati, health of ircle, which way do you, isterns, filtering	Electric motor, Moldon's
incinnal, health of irrice, which way do you	Electricity applied to tunneling
oal, animal remains 3 oal, efficiency of 2 od liver oil city. 3 offee and tea. oincidence, strange 3 oincidences, odd 3 olds and fevers. olleges attendance at 3 olleges attendance at 3	Elephantiagia, cure of   315
olor bilindness, suggestion. 3 olors, action of light on	8 Engineers, civil, convention
omets, false	Ethylene
mpressed air motive bower nogress, keep your eye on 2 mgressmee, blindness of 3 mgressmee, blindness of 3 mgressmee, blindness of 3 mgressmee, blindness of 10 mgressmee, blindness of 10 mgressmeeth, blindless of 10 mgressmeeth, blindlessmeeth, blindlessmee	7 Expansion, to determine
pyright iaw amendment of a ris, burst, low made	Bxplostve waves. 400 Exposition building. N. Orleans. 385 Exposition building. N. Orleans. 385 Eye, Glusions of
urt plaster	Fan attachment, Williams' '952 Fan attachment, Williams' '952 Fan attachment, Williams' '952 Ferd guide, printing press '954 Ferdwater regulator. '915 Feline prescience 108 Fence cutting, Texas. 167 Fence post, Miner's. '226 Fence post, mew '956 Ferry at Behring Strait 30
alsers modern creditable 213 ttch, Ludlow's 233 d, chewing the 384 fi holder, Bishop's 260 closes, movements of 117  D	Fover, scarlet, by rost and ice
Imperentation of the property	Ferdwater regulator
reloper, photo, improved. 256 voe & Co., factories of. 526 mond, matrix of. 247 mond mine. Wisconsin. 160 monds, artificial. 118 eation, sicohol and. 358 hitheria, cause of 379 hitheria, cure of 57 ease, economics of 238	Fire our losses by
case from reeds	Fish egg food, indian
mad, bite of	Floods of February 77 Floods, spring, and sewers 215 Floods, spring, and sewers 215 Floods, spring, controlling 219 Floods, Western 17 Florids Everglades 347 Flour, wheat, determining 368 Flour, why it apolis 114 Flowers, early, to raise 212
wings, line, type blocks from 165 ught equalizer, Bower's 120 ums, speed of thought in 200 iger and carrier, French 130 re and olis 137 diamond, heavy work with 2 diamond, laventor 257 electric, for tunneling 431 hardistry 200	Flowers, poisonous
ratchet, Brede's "Di- log machine "14" ks to keep one warm 24 king horn, Heron's "196 ing boxes, brass 329 soncel, Theodore 177 ing, the 22 cloud, Krakatoa 108	Fossila, Connecticut Valley. 20 Foucasit experiment. 149 Fox, Arctie. 359 France, removing spots from 359 France under the clouds. 221 Free trade, Dr. Croeby and. 225 Freesing, curious case of 322 Freesing, curious effect of 336 Freesing instance (15) Freesing stature (15) Freight car looks. 322 Friction. 66
E	Freeigh care locks. "325 Frieigh care locks. "325 Friction 66 Friction of car axise
hygiene of the 188	Galvanic battery, dry

Gas and electric light	We Ir
Gas burner, first	5 In
Gas, cooking with	100 In
Gas engine, indicator diagram	10B 1P0
Gas engine, Otto	ir ire
Gas omite. Gas and electric light. Gas burner, first. Gas burner, first. Gas, effect of on voice. Gas, concing with Gas, effect of on voice. Gas engine, indicator diagram. Gas engine, totto. Gas from manure. Gas fuel, natural Gas, filtum, asphyxis from Gas in iron and steol. Gas in Fhiadelphia Gas leating. Gas leating. Gas leating. Gas leating. Gas leating. Gas, oll, plant. Gas, oll, plant. Gas, oll, plant. Gasee, heating. Gauges, cratch, Sherman's. Gauges, water, for boilers. Gauge, water, for boilers. Gearing spring, new. Gearing spring, new. Gelering spring, new. Gelering spring, new.	50 Ire
Gas in Philadelphia	61 Iro
Gas lamp, Brouardel	65 Ire
Gas lighter, electric	9 Iro
Gas, oil, plant	50 Iro
Gases, heating	188 Ita
Gate, Hamilton's	N Ivo
Gauge, scratch, Sherman's	72
Gear, wagon	10
Gearing spring, new	Jac Jac Jes Jes Jes Jes Jes
Gelatine plates, intensifierS	6 Jea
Geme from Himaiaya Mts	6 Jen 3 Jew
Germs, disease	6 Jew
Giris, electric	Jou Jun
Glass, cementing brass to 23	Jun Jup
Glass from Bradford rocks. 39	1
Glass, frosting 3	Kalı
Giaes, obscuring	Kee
Glass plate, insurance	Kee Kee Klin
Glucose in leather	Knii Knii
Gine, lest for muclinge	Kno Knu
Gold in North Carolina 5	Koo Kral
Goods free into Mexico	I I I
Gorilla at Paris*405 Grape seed oil	
Grape vines, large	Labo Laco Lado
Grapes, New Zealand	Lake
Greely, Lt., to rescue of	Lake
Gates, Hamilton's work.  Gatyes for mechan. work.  Gauges for mechan.  Gatyes water, for botlers.  Gear, wagou.  Gear, wagou.  Gear, wagou.  Gear, wagou.  Gearing apring, new.  Gelatine mass, bectograph.  Gelatine pistes, intensifier.  Gems, American.  Gems, from Himalaya Mts.  Gems, from Himalaya Mts.  Gems, from Himalaya Mts.  Gems, descric.  Gilding, electro, color in.  Girls, physical education.  Girls, physical ed	Lake Lam Lam
Gum arabic supply out	Land
Gum barrels, boring, etc 17	Lard
Gun, dynamite, new	Lath
Gun evperiments, Heath's 400	Lath
Gun shields for cruisers	Lathe
Gun, what will burst	Lath Law Law Le P
Gutta-percha substitutes,	Lawi
G) psum, setting of 200	Lond
н	Lead Lead Lead Lead Lead
Hammer, drop, Remington *211 Hammer, foot power new *218 Hammer, steam, Baldwin *220 Hammers, steam improved *230 Hammers, steam improved *230 Happiness, bodil location *230 Happiness, bodil location *230 Happiness, bodil location *230 Harris, Dr. Elisha, dead.o *240 Harris, Dr. Elisha, dead.o *240 Harris, WcLielland's *131 Hayrow and plow *240 Harris and plow *240 Hayris and College of the State of the Hayris and Hayris and Harris and Harri	Lead
Hammer, foot power, new *131	Lead
Hammers, steam improved*358	Lead, Leath
Hardening, observations oc 259	Leath
Earris, Dr. Eilsha, death	Legis Legis
Harrow, McClelland's	Lemo
Haystacks, to prevent firing 359	Lesch
Health of cities	
Hearing capacity, measuring243	Life in Life p
Heat, radians, theory of	Life a
Heaters, cz., soda acetate 181	Lifting
Heating exhaust steam for	Liftin Light.
Hectograph, new mass for324 Heets, high	Light, Light,
Hen, a sheet fron	Light,
Heron, boat bil	Light
Hickory 340 Holder for books, Wood's 19 Holes, to drill in line. 80 Hooks and eyes 49 Horae and man, race between 3 Horse cleaner, Farr's 738	Lighte
Hooks and eyes 49	Linses
Hooks and eyes 49 Horse and man, race between 3 Horse cleaner, Farr's 38 Horse collar, new 212	Lithog
Horne flesh as food 152	Lobsto
Horse, balky treatment 72	Lock a
Hose coupling, Homer's *146 Hose coupling, Wells'. *256 hose reel, Billing's *35 Hot blast inventor, monum't to 8	Lock,
hose reel, Billing's *35	Lock,
	Lock,
Houses, dry, vs. damp. 338 Hub attach, device 402 Hunyad! Janos water 25	Locki
Hunyad: Janos water	Locom
Hunyadi Janos water.  Hydraulie mining to be regulated 54  Hydraulie motor, new	Locom
Hydrogen, liquefaction321	Locom
Hydrophobia antidote355	rocom
Hydrophobia from akunk's bite 64	Locon
I I	Locust
Ice blocking apparatus 934 Ice box, a cheap 67	Log-se
Lon how how to make 67	Low w
los macuine, Alien's "511	Lubric
Los opaque cause of 388	Lubric
Ice on frees     116       los, opaque, cause of     385       los, scarret fever from     385       los yachting on Hudson     285       ldess not property     406       liluminating app     276	
Ideas not property	Macfa
Altumoun, Options	
	Machin
India rubber substitutes	Magne Magne
India rubber substitutes	Magne Magne Magne Magne
India rubber substitutes	Magne Magne Magne Magne Magne Magne
India rubber substitutes	Magne Magne Magne Magne Magne Magne Magne
india rubber substitutes 24, india rubber, vuicanizing 22 Indian medicines 25 Indian industries, blow st 33 Indicator diagram, gas engine 344 Indicator for care 115 Industries, American 29, 298, 239,	Machin Magne Magne Magne Mugne Mugne Mugne Mugne Mugne Magne
india rubber substitutes 24, india rubber, vuicanizing 22 Indian medicines 25 Indian industries, blow st 33 Indicator diagram, gas engine 344 Indicator for care 115 Industries, American 29, 298, 239,	Machin Magne
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 51 Indian indiustries, blow at 53 Indianal for or cars 11 Indiustries, American 99, 998, 938, 11 Industries, American 99, 998, 938, 12 Industries, mfg. and mechan. 8, 394 Industries and veracity. 300	Machi: Magne Magne Magne Mugne Mugne Mugne Magne Magne Magne Magne Magne Magne Magne Magne
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 51 Indian indiustries, blow at 53 Indianal for or cars 11 Indiustries, American 99, 998, 938, 11 Industries, American 99, 998, 938, 12 Industries, mfg. and mechan. 8, 394 Industries and veracity. 300	Machin Magne
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 51 Indian indiustries, blow at 35 Indians indiustries, blow at 35 Indians for cars 15 Indiansi of cars 15 Indiustries, American 19, 195 Indiustries, Mr. and mechan 19, 195 Indiustries, mr. and mechan 19, 195 Indiustries, mr. and mechan 19, 195 Indiustry and veracity 80 Indiustry 80	Machi: Magne Mangne
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 561 Indian indian indiani in	Machi Magne Magne Magne Magne Magne Magne Magne Magne Manga Manga Manga Manui Manui Manui Manui Manui Manui
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 51 Indian indiustries, blow at 35 Indians indiustries, blow at 35 Indians for cars 15 Indiustries, 50 Indiustries, 50 Indiustries, 70 Indiustries, 7	Machi Magne Magne Magne Magne Magne Magne Magne Magne Magne Man a Manga Manui
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 51 Indian indiustries, blow at 35 Indians indiustries, blow at 35 Indians for cars 15 Indiustries, 50 Indiustries, 50 Indiustries, 70 Indiustries, 7	Machi Magne Magne Magne Magne Magne Magne Magne Magne Mana Mana Manga Manga Manui Manui Manui Manui Manui Manui Manui Manui Manui
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 51 Indian indiustries, blow at 35 Indians indiustries, blow at 35 Indians for cars 15 Indiustries, 50 Indiustries, 50 Indiustries, 70 Indiustries, 7	Machi Magne Magne Magne Magne Magne Magne Magne Magne Man a Man a Man a Manga Ma Manga Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 51 Indian indiustries, blow at 35 Indians indiustries, blow at 35 Indians for cars 15 Indiustries, 50 Indiustries, 50 Indiustries, 70 Indiustries, 7	Machi Magne Magne Magne Magne Magne Magne Magne Magne Manga Manga Manga Manga Manui Manui Manui Manui Maple Maple Maple Maria Magne Magne Magne Magne Magne Magne Magne Magne Magne Manga Manga Manga Manui
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 51 Indian indiustries, blow at 35 Indians indiustries, blow at 35 Indians for cars 15 Indiustries, 50 Indiustries, 50 Indiustries, 70 Indiustries, 7	Machi Magne Magne Magne Magne Magne Magne Magne Mana Mana Manga Manga Manga Manui Manui Manui Manui Manui Manui Manui Manui Mana Manui Man
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 551 Indian medicines 551 Indian indiani industries, blow at 53 Indiani for or are 51 Indianizing mg and mechan 63 Industries, mg and mechan 63 Industries, mg and mechan 63 Industry and veracity 50 Industry 50	Machi Magne Magne Magne Magne Magne Magne Magne Magne Mana Mana Manuf Ma
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 551 Indian medicines 551 Indian indiani industries, blow at 53 Indiani for or are 51 Indianizing mg and mechan 63 Industries, mg and mechan 63 Industries, mg and mechan 63 Industry and veracity 50 Industry 50	Machi Magne Magne Magne Magne Magne Magne Magne Manna Manna Manna Manna Manna Manuf
india rubber substitutes 25 India rubber, vulcanizing 25 Indian medicines 551 Indian medicines 551 Indian indiani industries, blow at 53 Indiani for or are 51 Indianizing mg and mechan 63 Industries, mg and mechan 63 Industries, mg and mechan 63 Industry and veracity 50 Industry 50	Machi Magne Magne Magne Magne Magne Magne Magne Manu Manus Ma Manus Manus Manus Manus Manus Manus Manus Manus Manus Manus Ma M
india rubber substitutes 25 indian medicines 56 indian medicines 57 indian industries, blow at 53 indians industries, blow at 53 indians industries, blow at 53 indicans industries, and 56 industries, and inches 57 industries, and inches 57 industries, mfg, and mechan 27 industries, mfg, and mechan 27 industries, mfg, and mechan 27 industry and veracity 50 industry and veracity 50 industry and veracity 50 industry and veracity 50 industry 60 industry 50 industry 60 industries 60 industr	Machi Magne Mann Mann Mann Mann Mann Mann Mann Ma
india rubber substitutes 25 indian medicines 56 indian medicines 57 indian industries, blow at 53 indians industries, blow at 53 indians industries, blow at 53 indicans industries, and 56 industries, and inches 57 industries, and inches 57 industries, mfg, and mechan 27 industries, mfg, and mechan 27 industries, mfg, and mechan 27 industry and veracity 50 industry and veracity 50 industry and veracity 50 industry and veracity 50 industry 60 industry 50 industry 60 industries 60 industr	Machi Magne Manu Manu Manu Manu Manu Manu Manu Marim Maple Marim Match M
india rubber substitutes 25 indian medicines 56 indian medicines 57 indian industries, blow at 53 indians industries, blow at 53 indians industries, blow at 53 indicans industries, and 56 industries, and inches 57 industries, and inches 57 industries, mfg, and mechan 27 industries, mfg, and mechan 27 industries, mfg, and mechan 27 industry and veracity 50 industry and veracity 50 industry and veracity 50 industry and veracity 50 industry 60 industry 50 industry 60 industries 60 industr	Machi Magne Mann Mann Mann Mann Mann Mann Mann Ma
india rubber substitutes 25 indian medicines 56 indian medicines 57 indian industries, blow at 53 indians industries, blow at 53 indians industries, blow at 53 indicans industries, and 56 industries, and inches 57 industries, and inches 57 industries, mfg, and mechan 27 industries, mfg, and mechan 27 industries, mfg, and mechan 27 industry and veracity 50 industry and veracity 50 industry and veracity 50 industry and veracity 50 industry 60 industry 50 industry 60 industries 60 industr	Machi Magne Mann Mann Mann Mann Mann Mann Mann Ma
india rubber substitutes 2.  India rubber, vulcanizing 22  Indian medicines	Machin Magne Manu Magne Manu Magne Manu Magne Manu Magne Manu Magne Manu Magne Magne Manu Magne Magne Manu Magne M
india rubber substitutes 2.  India rubber, vulcanizing 22  Indian medicines	Machin Magne
india rubber substitutes 2.  India rubber, vulcanizing 22  Indian medicines	Machin Magne
india rubber substitutes 25 indian medicines	Machin Magne
india rubber substitutes 25 indian medicines	Machin Magne
india rubber substitutes 2.  India rubber, vulcanizing 22  Indian medicines	Machin Magne
india rubber substitutes 25 indian medicines	Machin Magne
india rubber substitutes 25 india medicines	Machin Magne
india rubber substitutes 25 indian medicines	Machin Magne

inventors, work of	
ack, lifting, imp'd	New Nile Nitric Nitric Nut Nutlc Nutlc Nutlc Nut
ucies, how made on the property of the propert	O'Con Oil fr Oil ga Oil, g Oil m Oil oil oil oil oil oil oil oil oil oil o
preserver, trunk	Osier, Osaler, Osaler, Osaler, Osaler, Osaler, Osaler, Osaler, Osygei Osygei Osygei Osygei Paddle Pall, na Pails, Paint Paint, Paint, Panams Panams Panathe Paper Caper, Osaler, Osale
i, etc., theory of 185 t, Port Jackson 166 t, godiacal 199 thouse, Hell Gate 199 thouse, Hell Gate 199 thouse, Hell Gate 199 thouse, Hell Gate 199 toling, photographing 236 so of unequal length 1,9 god, white 3 gographic atones 67 ids, compressibility 226 ter, young of the 1,6 lity, ideas from 286 and latch, Freeman's 286 inty, ideas from 286 Morris 194 Mikesell's 306 nut, Fulwiler's 400 nut, Haley's 147 a, freight car 944 law 188 log nut, Sampson's 25 log nut, Sampson's 25 log nut, Sampson's 25	Paper, Paper Paper Paper Paper Paper Paper Parasit Parasit Parasit Parasit Parase Parase Paste, 8 Vatent Patent Paper Pa
motive, inventor of. 74 imotive, pring wheel. '991 motive, traction. '53 imotive works, Baldwin. '855 imotives, exporting. '331 imotives, exporting. '331 imotives, exporting. '331 setting apparatus. '332 setting apparatus. '314 setting apparatus. '315 ivator atarm. improved. '115 reator and measure, Feter's. '888 reator, engine, Horn's. '88 reator, guide bar. '774  M farlane, Robert. '24 innes and men, improvem'ts. '341	Patent
nesia, citrate of (28). 202 nestum light in photog. 275 netic balance, the. 202 netic balance, the. 203 netic balance, the. 203 netic bolarity of from 337 netic bolarity of from 337 netic bolarity of from 337 netism of clearity 337 netism, Hughes on 256 netism, Hughes on 256 netism in cities 33 netism, theory of 352 and horse, race between 23 netism of 352 netism of 352 netism of 353 netism, theory of 352 netism of 353 netism, theory of 353 netism,	atent atents at a atents at a atent a
hea, scratching on paint. 247 hes, wax. 341 beetles, to destroy. 383 a civilization. 225 b, the. 227 b, the. 227 b, the. 328 b	ercuse erioph etrolei

	Scientiti	( )
	Minerals, artificial formation  Mining, hydraulic, to be regul ed.  Mining, hydraulic, to be regul ed.  Mining, hydraulic, to be regul ed.  Mole and his little ways.  Mole, and his little ways.  Mortalic, New York city.  Motar, life-line, for ships.  Mosaic, antique, an.  Mosaic, antique, an.  Mosaic, antique, an.  Mosor, blaulphide carbon  Motor, blaulphide carbon  Motor, gas., indicator diagram  Motor, gas., indicator diagram  Motor, gas., indicator diagram  Motor, was., indicator diagram  Motor, was., kirckscon's  Motor, small, were they wrong  Motors, small, were they wrong  Motors, sound  Motors, spring  Motors	Pine, screw. the  4 Pins, clothes, bow  54 Pips, brass, explosi  54 Pipe, brass, explosi  55 Pipes, fron, correal  56 Pipes, fron, correal  56 Pipes, stopped, pre  16 Pipes, water, clean  57 Pines, estopped, pre  16 Pipes, water, clean  58 Pines, estopped, pre  16 Pines, aspects for  17 Pines, aspects for  18 Pines, aspects for  19 Pines, aspects for  19 Pines, aspects for  10 Pines, aspects for  10 Pines, aspects for  11 Pines, aspects for  12 Pines, aspects for  13 Pines, aspects for  14 Pines, aspects for  16 Pines, aspects for  17 Pines, aspects for  18 Pines, poisonous, to  19 Pines, poisonous, to  20 Pines, poisonous, to  21 Pines, poisonous, to  22 Piow, month, and harrow.  23 Pines, poisonous, to  24 Pines, poisonous, to  25 Pines, poisonous, to  26 Pines, poisonous, to  27 Pines, poisonous, to  28 Pines, poisonous, to  29 Pines, poisonous, to  20 Pines, poisonous, to  21 Pines, poisonous, to  22 Pines, poisonous, to  23 Pines, poisonous, to  24 Pines, poisonous, to  25 Pines, poisonous, to  26 Pines, poisonous, to  26 Pines, poisonous, to  27 Pines, poisonous, to  28 Pines, poisonous, to  29 Pines, poisonous, to  20 Pines, poisonous, to  20 Pines, poisonous, to  20 Pines, poisonous, to  20 Pines, poisonous, to  26 Pines, poisonous, to  27 Pines, poisonous, to  28 Pines, poisonous, to  29 Pines, poisonous, to  20 Pines, poisonous, to  20
	58 Mississippi channel, shifting 61 Mole and his little ways	184 Pipe, brass, explosi 23 Pipes, iron, corrosi 304 Pipes, lead, strengt
	01 Mortality, New York city	148 Pipes, stopped, pre 101 Pipes, water, clean
steel	Mosaic, antique, an	404 Pits, refuge, in win 161 Plane, bench, Curti
a	5 Motor, gas, indicator diagram 33 Motor, gas, Otto	Planets, an evenical Planets, aspects for
1	56 Motor, hydraulic, new	Planets, aspect for Planets, aspects for Planets, aspects for
ing8	Motor, thermic, triple	61 Planets, aspects for 98 Plant culture in mo 21 Plants, poisonous,
	Motors, sound	80 Plants, poisonous. 18 Plantering, sawdust 41 Plantering, surface.
	Mouth piece, speaking tube* Movement, mechanical, new	15 Plate glass, sliverin 96 Platinum wire, fact
of*32	Mullein, the	76 Plowing by wind po 68 Plow and harrow
	N N	Plow, Dillingham's Plow, shovel, Eddy
	Nails.  Nails, improved, wanted.  Nails, porcelain beaded.  Natural history notes  Naturalist Club, Victoria  Navy, an addition to our  New York Dept. Public Works.  Nie and the Soudan.  Nitro acid burns, cure for.  Nitrogen, liquid.  Nut, locking, Sampson's.  Nutlock, Fluwller's.  Nut rees, plant.  Nut rees, plant.  Nut sand screw threads.	Plow, show, Canada Plow, steam, invent Plow, West's
386	Natural history notes	Piume bird, twelve to Preumonia, prevent Poisons of well water
	New York Dept. Public Works1 New Zealand grapes	Polarity of iron, ma Pompeii
874	Nitric acid burns, cure for	Porpoise fishing
100	Nutlock, Fulwiler s	Postal facilities, Eu Potash chlorate, poi
151	Nut trees, plant	Power, cost, from ac
ee*39 364	Nile and the Soudan. 91 Nile and the Soudan. 91 Nile and the Soudan. 91 Nitrio acid burns, cure for. 3 Nut. lock.ing. Sampaon's. 9 Nut. lock.ing. Sampaon's. 9 Nut. lock.ing. Sampaon's. 9 Nut. lock.ing. Sampaon's. 9 Nut. seem of the se	Power, transmission Power, transmission Press, printing, feed
900	Oil from fron chips, separation	Pressure, finishing to Printer's rollers, to a Printing press, guid
35	Oil marks, removal	Produce Exchange, Propeller bone, the
246, 309 843	Oil, waves calmed by	Prosperity, a menace Prosperity and disas
166 56	Oil wells, spouting Russian	Puffball, enormous Pulleys, loose
304	Oiling the waves	Pullman city
868	Opera by telephone	Purifier, gas, new Putty, hand made
20	Optical illusions. 298 Ordnance, heavy	Q
228	Ore elevator, Hartt's	Quarries, brown stone Queer character, a
97, *343 350 194	Ornithorhynchus, the	Queer character, a Queries, answering Quicksilver mining, C Quinine, dose of
236	oling the waves.  oling the waves.  oling the waves.  oling the waves.  oling deres.	R
332	Oxygen, crystalline	Rag cutting machine. Rags, Egyptian, disin: Raji fastening, safety
	P	Railroads, cable, New Railroad, Mohawk & I
200	Paddle-wheel, Acme	Railway accident, cur Railway bridge inspec
257	Paddle-wheel, Acme         *118           Pall, new, Paulus         *168           Palls, paper, how made         369           Paint for iron         120           Paint for iron         194           Paiace car, magnificent         341           Paims, American         375	Railway cable, new sy Railway car, palace
	Palace car, magnificent	Rag cutting machine. Rags, Egyptian, disin Rail fastering, satety Railroads, cable, New Railroad Re, Van Ordi Railroad Re, Van Ordi Railroad Re, Van Ordi Railway ende, Iron tu Railway ende, Iron tu Railway cable, new ay Railway cable, new ay Railway, electric, Brig Railway, electric, Brig Railway, N. Y., W. S. & Railway, N. Y., W. S. & Railway, ship, model
9000	Panama Canal excavator 299	Railway, N. Y., W. S. & Railway, ship, model of Railway, single-rail
393	Panciasute 721 Panchers, young 935 Paper cutting machine 66 Paper, terioo for holding 94 Paper, impervious 88 Paper, luminous 18 Paper, luminous 18 Paper, manufacture of 97 Paper, or ender imperumentie 88	Railway, single-rail Railway signal, electri- Railway sleepers, note Railway ties, consump Railways, cable. New
166 199 *175	Paper, luminous	Railways, cable, New Railways, elev., and ey
		Railways, clev., and ey Railways, clev., and ey Railways, clevated, Ne Railroad building, Hu Railroad, highly elevat Railroad time cards Railroad to Alaska Railroad to Alaska
87	Parasites dangerous   311     Parasites of money   324     Parasics of money   324     Parasics of money   324     Parcel post, German   117     Passage, fastest   322     Paste, give, or mucliage   328     Patent act. novel   328     Patent act. cover   328     Patent and copyright legislation   62     Patent bills sefore Congress   326     Patent bills sefore Congress   127     Patent bills in Congress   129     Patent bills in Congress   229     Patent bills in congress   229     Patent bills in congress   229     Patent bills in probable defast   328     Patent bills   Patent bi	Railroad ties and clim Railroad time cards
256	Passage, fastest	Rainfoad to Alaska Rainfows Rainfall, modern and
*162 *296 *194	Patent, alizarine, the	Rainbows Rainfall, modern and Rapid transit in Brook Rapid transit, New Yo Rats, expulsion of
*40 *40 *147	Patent bills before Congress 192 Patent bills, hostile 145, 177 Patent bills in Congress 199	hats a xpusico of the control of the
128	Patent bills, items concerning 198 Patent bills, probable defeat 208	Refrigerator, Beven's. Refrigerator, cheap
2:2	Patent bills, Hems Concerning.         138           Patent bills, probable defaat.         38           Patent bills, prospects of.         361           Patent bills, Pack on.         245           Patent bills, Pack on.         25           Patent bills, status of.         27           Patent bills, the.         27           Patent bills, the.         27           Patent bills, the.         27           Patent Low, and the services of the services of the services.         37           Patent Low, Swiss.         64           Patent Law, Swiss.         64	Region, a hot
277 274 *191	Patent bills, the	Revolver, photo
*835 131	Patent decisions	Ring bender, watchma Ring worm, cure of Riveting machine, rail
313	Patent laws, changing	Roadways, ancient Robbery, basis property Rollers, printer's, to m
*115 'a.*887	Patent laws, menace to	
***************************************	Patent laws, Swiss. 69 Patent laws, California on .289 Patent laws, California on .289 Patent laws, hostility to .193 Patent laws, memorials on .305 Patent laws, memace to .234 Patent laws, unilification of .33, 64 Patent laws, our .274 Patent laws, our .274 Patent laws, war against213 Patent laws, war against213 Patent laws, War sgainst213 Patent laws, War sgainst237	Rule, triangular Rum, bay, recipe (12) Rum, effect on pigs Running, etc., England
*274	ratent laws, war against	Running, etc., England
ta.241	Patent Office affairs 11, 37 Patent Office, rush at 72 Patent Office surplus 190 Patent Office work, 1888 97 Patent Office work, 1888 97 Patent Protective Assoc 266 Patent acception the 275	Safety switch guard, in Sahara, filling of
90 1	Patent erstem German 948	Salt in Western N. You
0f 37 337	Patent treaty, dangers of	Sample stand, Schmidt Sardines, Yankee Sash cord fastener Saturn
260	Patent Union, international	Saturn, new belt on Saving by co-operation Saw arbor, Hacket's Saw clamps, fastening. Saw. atone new
65, 231	Patents, limitation of	Saw clamps, fastening. Sawdust in plastering.
278	Patents, N. Y. Legislature on264 Patents, plot against	Saw, stone, new
240 ] 240 ]	Patenta, plot against.     176       Patenta, points about.     375       Patents to foreigners.     289       Patents, why necessary.     84       Patenters' right endangered.     80       Patterns, care of.     65       Pavements, composite.     36	Scales, feathers, and he Scarlet fever by post at Scales, treatment of
215	Patterns, care of	Scales, treatment of. School building, a mode School for head and har Schools, technical, Sax Schools, trade, of New Science and manufactur Science in antiquity
343	Pencil lead, cost	Schools, trade, of New Science and manufactur
134	Pavements wood. 415 Pencil lead cost. 412 Pencils lead. 226 Pennsilvania people, protest. 138 Percentograph, Tucker's. 439 Percension apparatus, Turpin's. 227 Perfophthalmus, the 163 Petroleum as fuel. 831 Petroleum at Baku. 488, 342 Petroleum emulsions. 134	Scientific American officentific discoveries, a
341 ] 388 ]	Petroleum as fuel	Scissors, ripping attache Scourer, knife, Bryant's Screw cutting, curiositi
°262 ] 821 ]	Petroloum industry 252	Science and manufactur Science in antiquity Scientific American offi Scientific discoveries, Scissors, ripping attach Scourer, knife, Bryant's Screw cutting, curlosith Screw jack, new Screw threads and nuts Screw threads, standar
. 887 89 17	Pettenkofer, Max von	Screw pine, the Scribing gauge, new Sea depths, life
60	Phenomenon, remarkable	
	Photo developer improved296 Photo revolver	Secret, discovering a Serpent, sea, a dead Sewage experiment, Bo Sewage, oxidizing, met
152 i 306 i 227 i	notograph plates, nexiols	Sowerpipe crap, imp
	Photo revolver, fexible	Shipbuilding, Amer., re Shipbuilding, Clyde
56 1 *276 1	hthisis, the mullein in	Staft support, Pace's Shellac, refining Shipbuilding, Amer., re Shipbuilding, Clyde Ships cleaner, Cooper's Ships of war, great Ships, small, constructic
244	Physical training in schools	Shoes, fitting. Shoe making by machin
		Shop, the little
*18 193	Pigs. green corn for	Sick patients care of Signar, railway, electric
		*

```
976 Ship cleaner, Cooper's ... *210, 154 Shipe of war, Frest. 27 Ships, small construction. 51 Shoes, fitting. 413 Shoe making by machinery. 356 Shop heat, uniformity. 356 Shop heat, uniformity. 357 Shop heat, uniformity. 358 Shop heat, uniformity. 358 Shop heat, uniformity. 358 Shop heat, uniformity. 358 Shop box cover, White's ... 358 Sick patients, care of ... 250 Signau, railway, electric.
```

Silverware, photography of Sims, Dr. J. M., life of Sizing, milk caseine as a	72 161 116 242 356 385 312 305 169 359 16 147 264 286
Skating, military.  Skating, military.  Skill, demand for.  Skill, color of.  Skill,	380 276 136 201 158 183 120 213 213 213 213 213 213 213 214 21 21 21 21 21 21 21 21 21 21
orghum sugar experiments.  orghum sugar, Massachusetts  oudan and the Nile  oudan and the Nile  oudan and the Nile  oudan motors.  spiders, aquatic.  piders, aquatic.  piders, stuffed.  pining machines, waste from  poons, silver, manufacture of  pring gearing, new  pring vehicle, Shinnick's  pring wheel engine  pring wheel engine  pring wheel spital. forming  tair case, folding, m fabrics  tair case, folding  **Stallion_froliceome	400 13 309 13 145 13 145 13 146 13 146 13 146 13 146 13 146 13 147 13 147 13 148 148 13 148 13 148 13 148 13 148 13 148 13 148 13 148 13 14
spiders, stuned, spiders, stuned, spiders, stuned, spinning machines, waste from poons, silver, manufacture of, spinning male spinning whele, shinnick's pring whele engine.  pring whele, shinnick's pring whele engine.  pring spiral forming, tains, removal from findres, stains, removal from findres, stains, removal from findres, at taillon, frolicsome.  tand for samples, new tand for samples, new at ar of Bethehem.  tars, fixed, distances, tarch, action of hydrochio, acid. tarch, action of hydrochio, acid. tarch, fireproof.  tarch, properties of, station indicator for carstatue of Liberty, team at 1000 lb, pressure.  team online, power of	168 356 105 25 U 73 U 167 138 136 138 139 V
team objers, power of team objers, power of team only the practice, present of team only the process of the process of team only the process of team on the process of team of of t	999 V 1990 V 199
see, structural.  eee, structural.  eroscopic pictures.  noe cutting, Greciaan.  noes, precious, American.  noes, precious, American.  noes, precious, Superstitions.  noe quarries of Connecticut.  nome saw, new.  experiments of Connecticut.  nomes aw, new.  nomes aw, ne	
aw and wood pulp.  aceams, defection of	Wa W
100   100	Wai Wai Wai Wai Wai Wai Wai Wat Wat Wat
le game, Chider's. *6 jeiand, unexplored. *299 jeiand, unexplored. *299 jeiand, striking. *111 jors' Academy, Dreaden *150 jing atm. *150 jin	Wes Wes Whe
th, temperament and the 1816 th, temperament and the 1816 traph, the temperament and the temperament and the temperament and the temperament and tempera	Whe Whe Whe White White William William Wind Wind Wind Wind Wind Wind Wind Wind
phone, time oy, 247 phone wires, underground	Wine Wire Wire Wire Wire Wood Wood Wood Wood Wood Wood
maio motor, tripie	Wood Work Work Work Wren Wren Wren Yuca
olnte, manufacture	Zodin

[Jui	NE	28,	1884	ļ.
Tongs, p Toof has Tool, un Tools, pi Tooth, p Tooth, p Tooth, p Tornado Trado Trad	ipe, Stinder, Stinder	rait's rait's rait's old	up.  up.  up.  up.  up.  up.  up.  up.	*77.*29.*37.*37.*37.*37.*37.*37.*37.*37.*37.*37
Umbrella Units for	frame.			404
Units for	шевэш	V		802
Vaccinatil Vaccinatil Vaccinatil Valve die Valve olie Valves, cz Varnish, i Varnish fo Varnishes, Vatican, t Velocipedo Ventilatio Venus, tra Vessels, in	on and on in Ir on of pi r, McC ibb's, p r, Mer at-off, le ead, rec ead, rec or violi or wate , mang he	smallpidiagsarter'sarter'ssbon'sbcomotinge for ns (5)r colors aneseffer'sllarsught	0 K	23 82 55 19 226 196 113 43 202 113 181 180 180

Umbrella frame Units for measurements
v
Vaccination and smallpox
Vaccination in India Vaccination of pigs
Valve gear, McCarter's
Valve Knibb's patent suit
Valve oiler, Mershon's
Valves, cut-off, locomotive
Varnish, lead recipe for
Varnish for violins (5). Varnish for water colors (27)
Varnish for water colors (27)
Varnishes, manganese
Vatican, the Velocipede, Scheffer's
Ventilation of cellars
Venue transit of last
Venus, transit of, last
Vessels mireculous *
Vessels, pneumatic propulsion
Volcanic ashes, Java
Volcano and tidal wave, Alaska. Van Bruening, Adolph, death Viaduct, Falls of St. Anthony*
Van Bruening, Adolph, death
Vinduct, Falls of St. Anthony *
Vibrations, acoustic
Vines, grape, large
Vineyard irriguting a
Vineyard, irrigating avise, watchmaker's*
Vises, attachment for
Visibility, limit of
w

į	Vessels, light draught
ì	Vessels, light dranght
ì	Volcanic ashes, Java11
	Volcanciand tidal wave, Alaska 3 Van Bruening, Adolph, death 37
	Viaduct, Falls of St. Anthony*15
	Vineyard, irrigating a
1	Vises, attachment for*13
1	Visibility, limit of
l	W
	Wagon body, Folsome's*34
	Wagon gear, new
	Wagon gear, new
	Wagons, side spring for
	Walking, etc., England
	Walking, unconscious bias in. 212 Walks, salting. 296 Wall paper, oil marks on, remov. 35 Wardrobe, new. 128 Warping machine, new. 238
	Wardrobe, new
	Wardrobe, new
l	Watches, demagnetization 18 Water basin, origin 213
ļ	Water colored by oil*182
ĺ	Water closet, new*195
	Water drinking 24
l	Water drinking 24 Water from eucalyptus. 29 Water, Hunyadi Janos. 25 Water in boilers. 182
ĺ	Water in boilers
ľ	Water line defense 177
	Water, micro. examination of197 Water per horse-power18
	Water pipes, cement for190
	Water pupes, cleaning.  Water power, high pressure.  Water power, is it failing.  Water proof boots and shoes.  Water proof clothing.  Water pure.  Water pure. to obtain.  Water pure. to obtain.  Water purification of.  Self-Water pure.  Water pure.  Water pure.  290
	Water proof boots and shoes115 Water proof clothing87
	Water proofing, systems of 4
	Water, pure, to obtain
	Water parification of
١	Water softening
,	Water, well, poison of
1	
1	Way matches 341
	Weather signals
7	Well horisontal
7	Well, gas and water.     275       Well water, poison of 477     475       Wells, artesian, N. Jersey.     285       Wells, artesian, N. Yors.     365       367     367
1	Wells, artesian, N. Jersey245
1	Wells, artesian, N. Jersey
7	Wells, petroleum, Buku
1	West, great, rapid aettlement 2
7	Westminster Abbey, decay of248
7	Whalebone arch, a
1	Wheat cleaner, French
1	
1	Wheels, large
1	
1	Whistle heard 13 miles
1	Williams, S. Wells
١	
1	Wind power, storage of
3	Vindlass, burial, McDonald's "89
١	Windlass, single-axie*163
١	Vindow shutter, Cochel's *51
Ĭ	
١	Vire. invisible
١	Vire, Invisible 185 Vire, platinum, facts about 213 Vire tests 265 Vire wrapping machine 388 Vires, overhead 388
į	Vire wranning machine *388
ķ	Vires, overhead
į	omen as inventors100
V	Vood, built up
į	ood, fire-proofing of
Ų	Food pavements 405
į	Wres, overhead
ÿ	Foods, treatment for
į	orking and thinking183
į	form, army
į	rench, De Silva's*206
A	forid, our little
1	
	Y
ý	allow foren he mosquitoes 57

Y
Yellow fever by mosquitoes
Yucatan, explorations in *343
Z

